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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/061,830	01/31/2002	Qin Liu	10014405-1 2306 4		
7590 10/02/2003			EXAMINER		
HEWLETT-PACKARD COMPANY Intellectual Property Administration			YUAN, DAH WEI D		
P.O. Box 27240			ART UNIT	PAPER NUMBER	
Fort Collins, CO 80527-2400			1745		
			DATE MAILED: 10/02/2001	3	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application	No.	Applicant(s)	• -				
Office Action Summary		10/061,830		LIU ET AL.					
		Examiner		Art Unit					
		Dah-Wei D.		1745					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status									
1)[Responsive to communication(s) filed on								
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.								
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
•	ion of Claims Claim(a) 1 91 is/are pending in the application								
,	 4) ☐ Claim(s) 1-81 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 								
	5) Claim(s) is/are allowed.								
6) Claim(s) is/are allowed.									
	7) Claim(s) is/are rejected.								
8) Claim(s) 1-81 are subject to restriction and/or election requirement.									
Application Papers									
9)☐ The specification is objected to by the Examiner.									
10)	The drawing(s) filed on is/are: a)☐ acce _l	pted or b)☐ o	bjected to by the Exa	miner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
11)	The proposed drawing correction filed on	_ is: a) <u></u> ap	oroved b)⊡ disappro	ved by the Examine	·.				
If approved, corrected drawings are required in reply to this Office action.									
12)☐ The oath or declaration is objected to by the Examiner.									
Priority under 35 U.S.C. §§ 119 and 120									
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).									
a) ☐ All b) ☐ Some * c) ☐ None of:									
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).									
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.									
Attachmer	•			·					
2) Notice	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) _		· 	/ (PTO-413) Paper No(s Patent Application (PTO					

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FUEL CELL WITH FUEL DROPLET FUEL SUPPLY

Examiner: Yuan S.N. 10/061,830 Art Unit: 1745 September 11, 2003

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-20, drawn to a fuel cell system comprising a fuel supply apparatus that supplies a plurality of fuel droplets, classified in class 429, subclass 19.
 - II. Claims 21-35,65-72,79-81, drawn to a drop generator and a drop ejector, classified in class 347, subclass 57.
 - III. Claims 36-64,73-78 drawn to a method of manufacturing a drop ejector, classified in class 438, subclass 21.
- 2. Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different function. The drop ejector in Invention II can be use for inkjet printing as documented in US 5,828,394.
- 3. Inventions II and III are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). As admitted by the applicant, the

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drop ejector can be manufactured by various methods as stated in claims 36-39, 40-43, 44-51, 52-57, 58-64, 73-75, 76-78, respectively.

- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dah-Wei D. Yuan whose telephone number is (703) 308-0766. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (703) 308-2383. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Dah-Wei D. Yuan September 11, 2003 Delive y